NOT A REPLACEMENT

DRAWING

FOR EXPLANATORY

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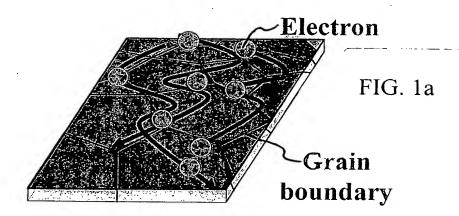
SKETCH 1

CONCEPTUAL ILLUSTRATION OF ELECTRON (a) MOVEMENT IN CONVENTIONAL GRAINS AS DISCLOSED IN FIGS. 35(A) AND 35(B)

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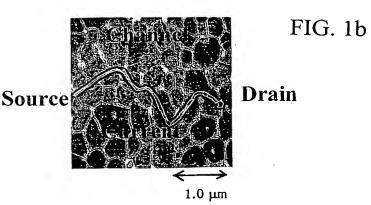
ELECTRONS TRAVEL IN A ZIGZAG FASHION BECAUSE SCATTERED ${f T}{f A}$ GRAIN BOUNDARIES ELECTRONS ARE INTERSECTING ELECTRON PATHS.

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SCANNING ELECTRON MICROPHOTOGRAPH OF CONVENTIONAL GRAINS AS DISCLOSED IN FIGS. 35 (A) 20 AND 35 (B) WITH ELECTRON MOVEMENT THEREIN BEING ADDED



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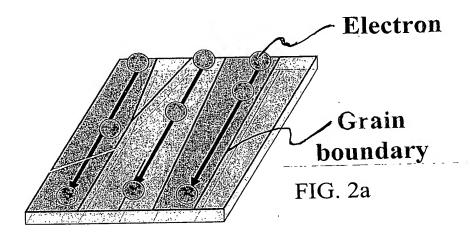
SKETCH 2

(a) CONCEPTUAL ILLUSTRATION OF ELECTRON MOVEMENT IN GRAINS OF THE PRESENT INVENTION AS DISCLOSED IN FIGS. 17(A) AND 17(B)

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ELECTRONS TRAVEL WITHOUT BEING DISTURBED BY GRAIN BOUNDARIES BECAUSE NO GRAIN BOUNDARIES INTERSECT ELECTRON PATHS.

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(b) SCANNING ELECTRON MICROPHOTOGRAPH OF GRAINS OF THE PRESENT INVENTION AS DISCLOSED IN FIGS. 17 (A) AND 17 (B) WITH ELECTRON MOVEMENT THEREIN BEING ADDED

FIG. 2b

Source Drain

Growth direction

25